

## ABSTRACT OF THE DISCLOSURE

According to a method of and apparatus for displaying as an autofluorescent-light image emitted from a target subject upon the irradiation thereof by a excitation light, even for cases in which a malfunction of the apparatus occurs that prevents an operator from obtaining a desired image, a standard-image is displayed so as to enable an operator to safely and expediently remove the insertion portion of the endoscope from the body of a patient, whereby the safety of the patient can be ensured. When an irregularity in the temperature of one of the light sources, the operation of one of the drive apparatus, or other cause of an operational irregularity occurring in of one of the light sources is detected by the semiconductor-laser temperature detecting means, the reference-light source temperature detecting means, or the emission-output detecting means, in response to a detection signal thereof, the standard-image display mode is switched to automatically.